

FIG. 2A

ADDRESS TABLE 30

IP ADDRESS	MAC ADDRESS	SWITCH ID	PORT ID
192.168.1.1	11-22-33-44-55-01	3a	1
192.168.2.1	11-22-33-44-55-02	3a	2
192.168.1.2	11-22-33-44-55-03	3b	1
192.168.2.2	11-22-33-44-55-04	3b	2
...

FIG. 2B

GROUP TABLE 31

GROUP ID	SUBNET ADDRESS
1	192.168.1.0/24
2	192.168.2.0/24
...	...

FIG. 2C

GROUP MEMBERSHIP TABLE 32

GROUP ID	ADDRESS	TYPE	CONNECTION FLAG
1	iqn.2000-02.com.hitachi:users:test1	TARGET	1
1	192.168.1.1	INITIATOR	1
1	192.168.1.2	INITIATOR	0
2	192.168.2.1	INITIATOR	0
...

FIG. 3A

LUN MASKING TABLE 33

iSCSI NAME	LUN	IP ADDRESS
iqn.2000-02.com.hitachi:users:test1	1	192.168.1.1
iqn.2000-02.com.hitachi:users:test1	1	192.168.1.2
.

FIG. 3B

iSCSI NAME TABLE 34

iSCSI NAME	IP ADDRESS	PORT NUMBER
iqn.2000-02.com.hitachi:users:test1	192.168.1.254	3260
iqn.2000-02.com.hitachi:users:test2	192.168.2.254	3260
.

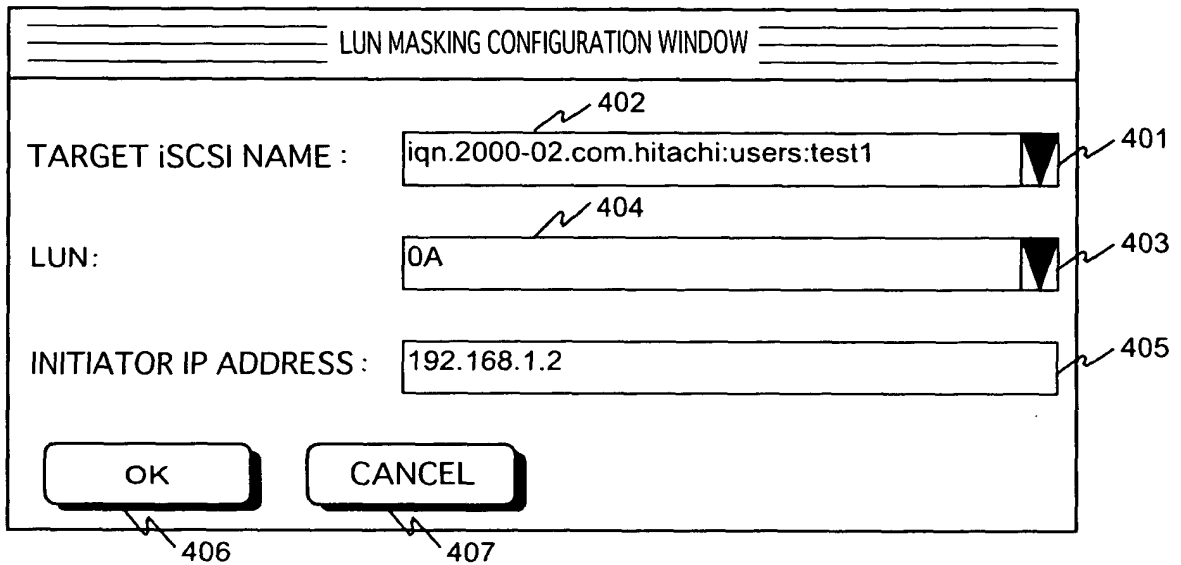
FIG. 3C

SWITCH TABLE 35

SWITCH ID	MANAGEMENT IP ADDRESS
3a	192.168.0.1
3b	192.168.0.2
.

FIG. 4A

LUN MASKING CONFIGURATION WINDOW 400



The diagram shows a window titled "LUN MASKING CONFIGURATION WINDOW" with a title bar. Inside, there are three input fields and two buttons. The first field is labeled "TARGET iSCSI NAME :" and contains the text "iqn.2000-02.com.hitachi:users:test1". The second field is labeled "LUN:" and contains the text "0A". The third field is labeled "INITIATOR IP ADDRESS:" and contains the text "192.168.1.2". At the bottom are two buttons labeled "OK" and "CANCEL".

402

401

404

403

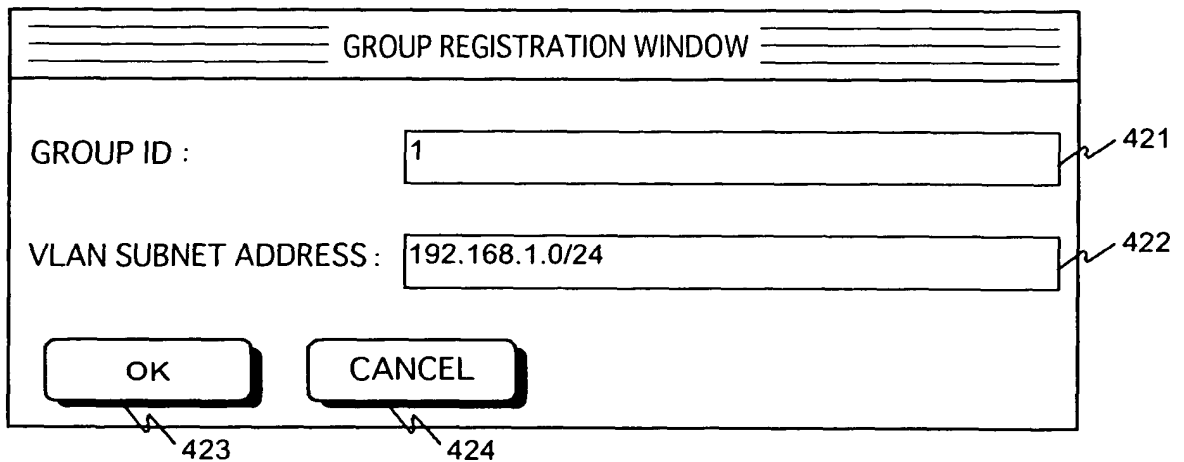
405

406

407

FIG. 4B

GROUP REGISTRATION WINDOW 420



The diagram shows a window titled "GROUP REGISTRATION WINDOW" with a title bar. Inside, there are two input fields and two buttons. The first field is labeled "GROUP ID :" and contains the text "1". The second field is labeled "VLAN SUBNET ADDRESS:" and contains the text "192.168.1.0/24". At the bottom are two buttons labeled "OK" and "CANCEL".

421

422

423

424

FIG. 5

SWITCH REGISTRATION WINDOW 440

The diagram shows a rectangular window titled "SWITCH REGISTRATION WINDOW" (440). Inside the window, there are two input fields. The first field is labeled "SWITCH ID :" and contains the value "1"; it is pointed to by reference numeral 441. The second field is labeled "MANAGEMENT PORT IP ADDRESS :" and contains the value "192.168.0.2"; it is pointed to by reference numeral 442. At the bottom of the window, there are two buttons: "OK" (443) on the left and "CANCEL" (444) on the right.

FIG. 6A

COMMUNICATION SEQUENCE TO BE PERFORMED WHEN PHYSICAL PORT OF STORAGE DEVICE IS CONNECTED TO SWITCH

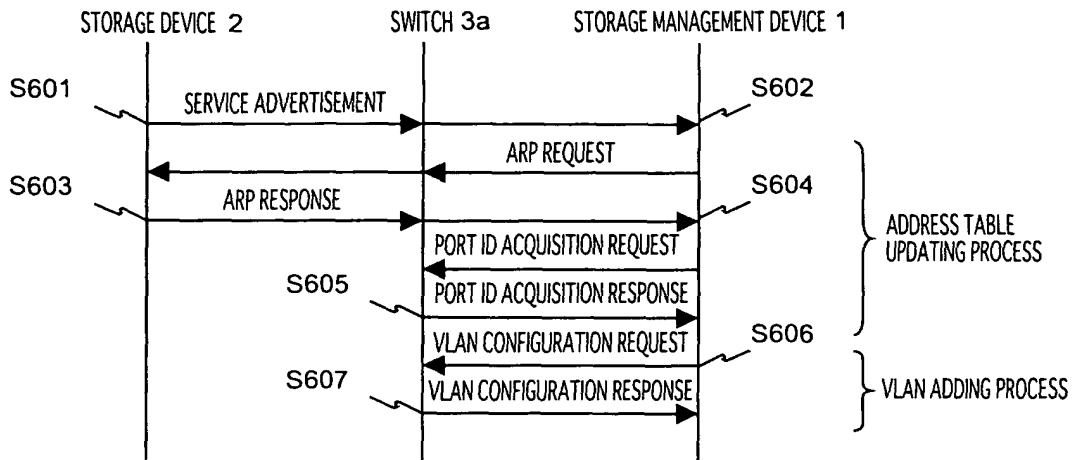


FIG. 6B

COMMUNICATION SEQUENCE TO BE PERFORMED WHEN HOST IS CONNECTED TO SWITCH

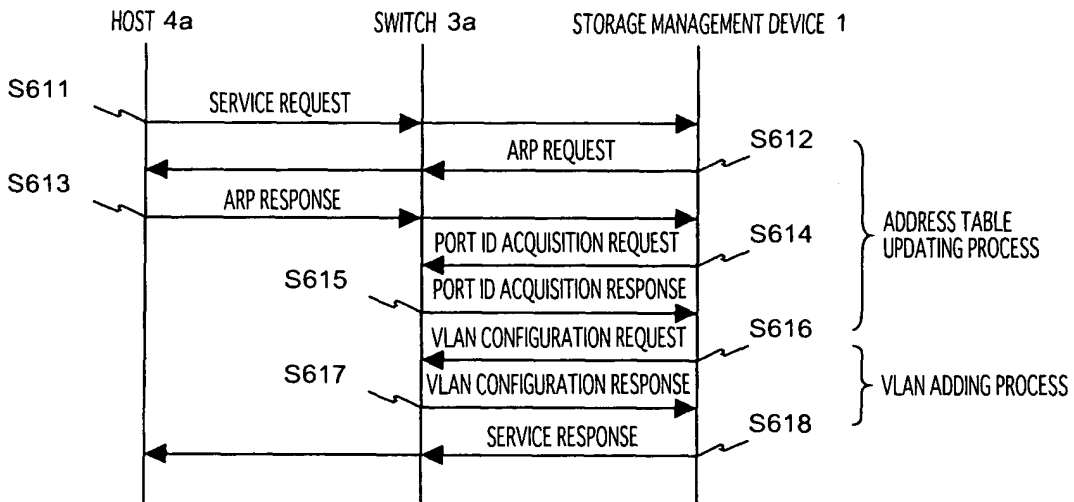


FIG. 6C

COMMUNICATION SEQUENCE TO BE PERFORMED WHEN PHYSICAL PORT OF STORAGE DEVICE OR HOST IS DISCONNECTED FROM SWITCH

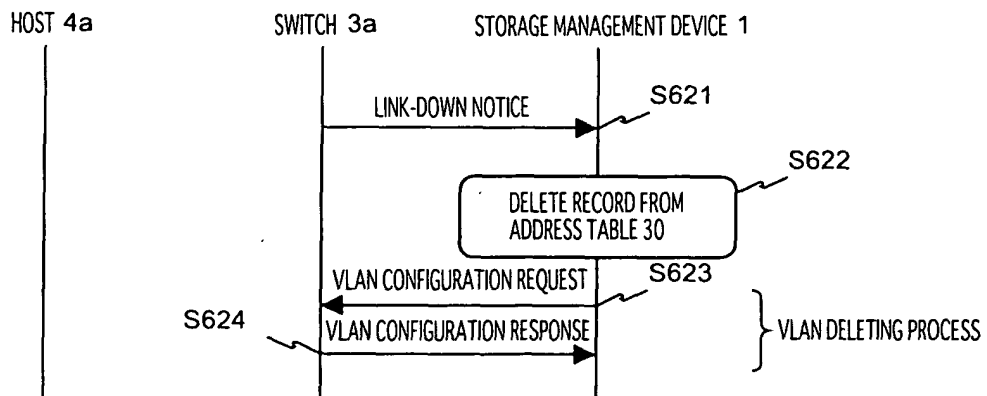


FIG. 7

ADDRESS TABLE UPDATING PROCESS

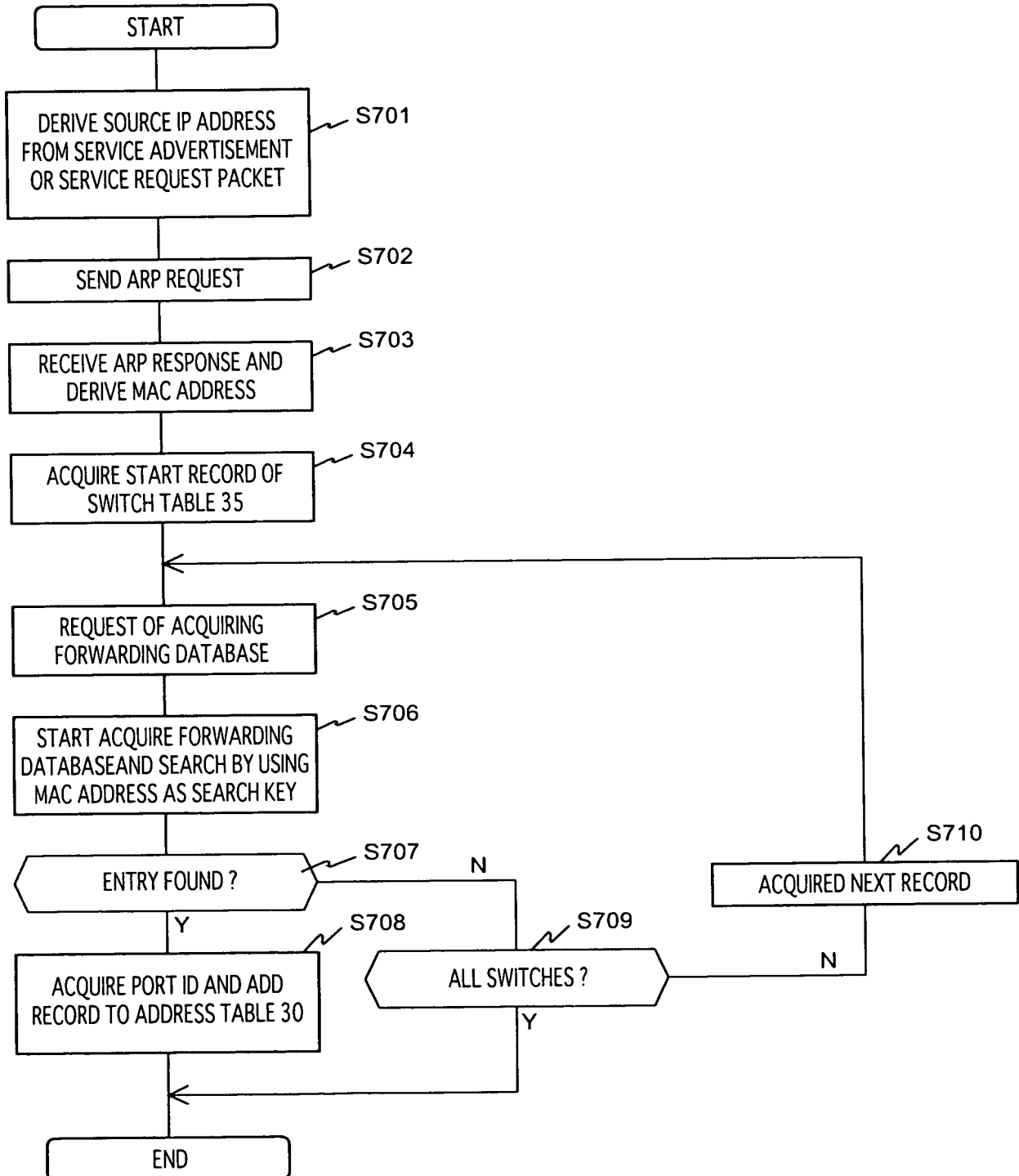


FIG. 8

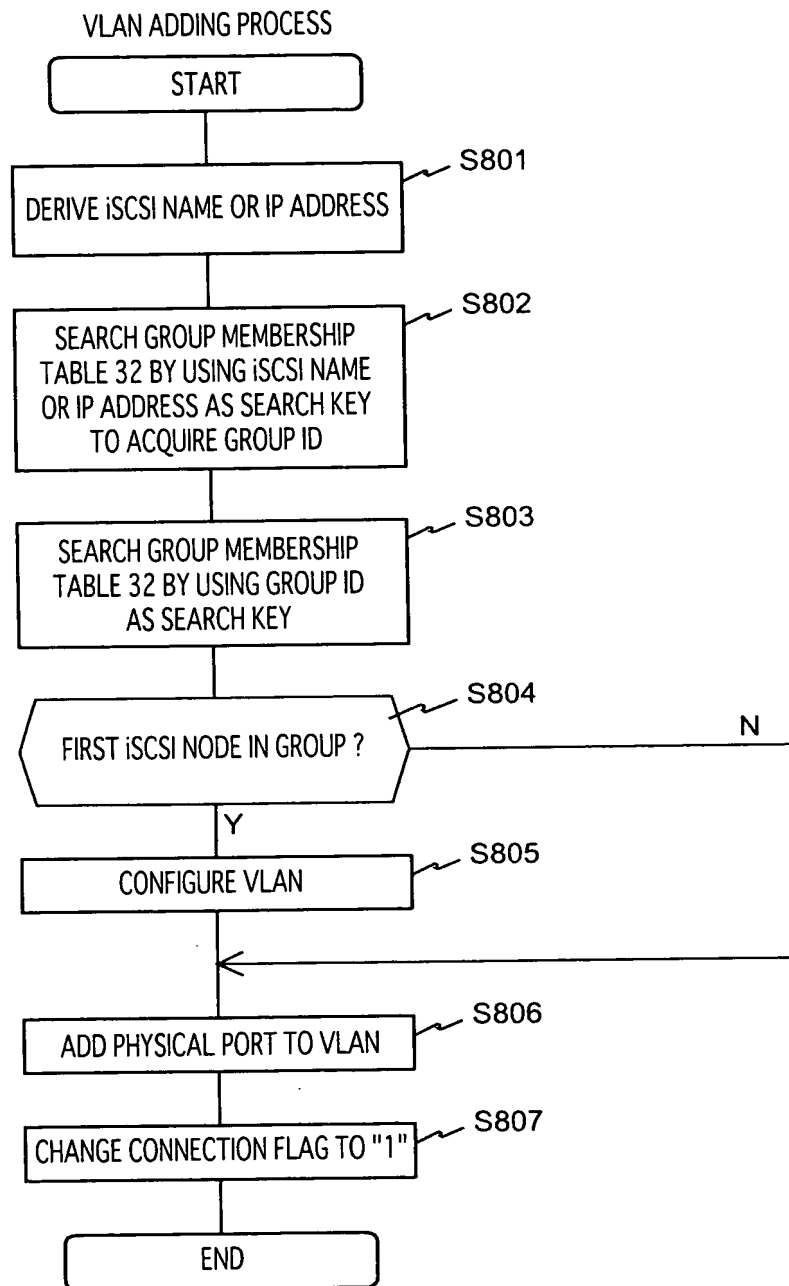


FIG. 9

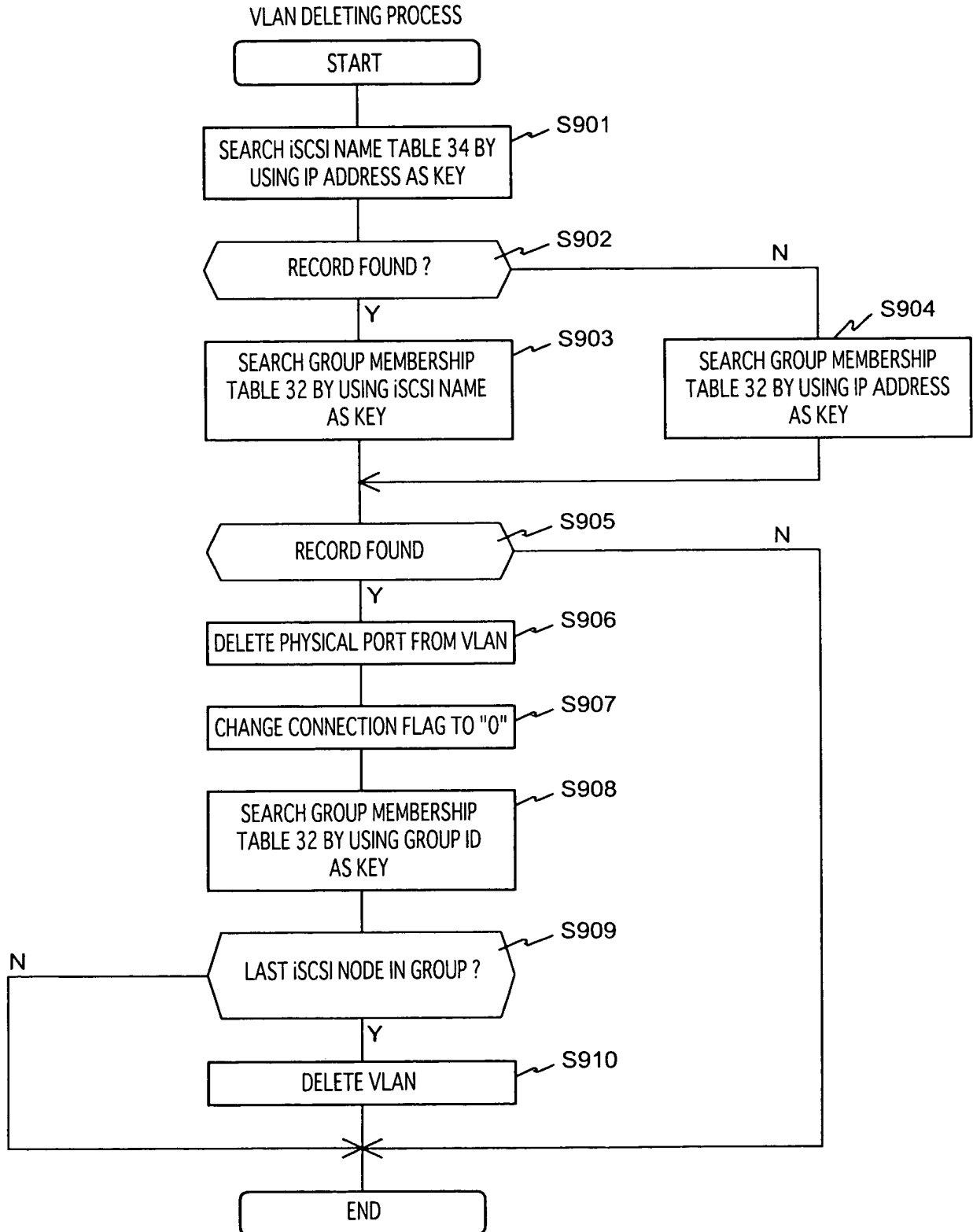


FIG. 10

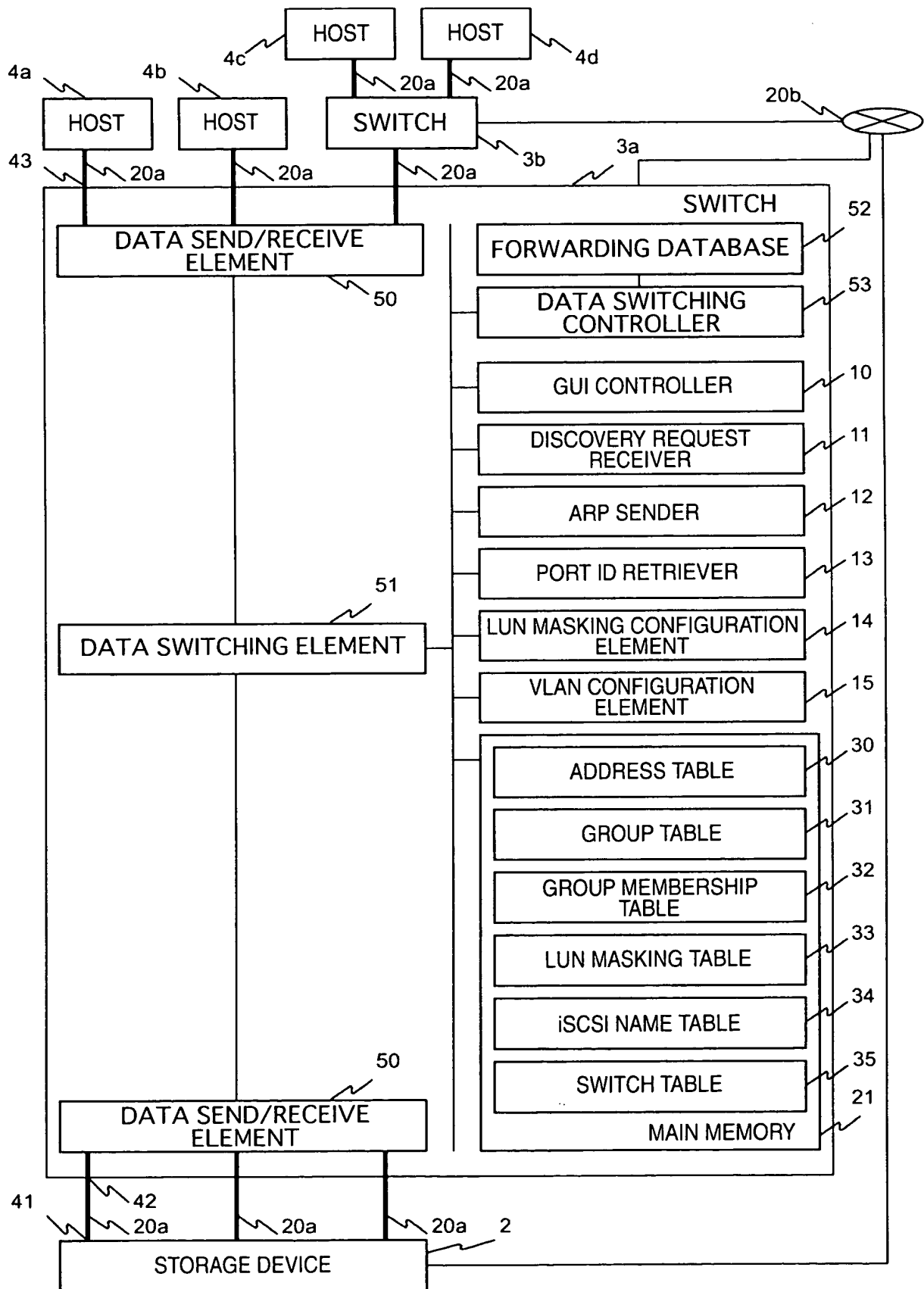


FIG. 11

COMMUNICATION SEQUENCE TO BE PERFORMED WHEN HOST 4a IS CONNECTED TO SWITCH 3a

